Amendments to the Claims

Please cancel Claim 7 without prejudice or disclaimer.

Please amend Claims 1, 2, 6, and 8-11 and add Claims 13-15 to read as follows.

1. (Currently Amended) A method of for manufacturing an ink jet head which includes a discharge port for discharging an ink droplet, an ink flow path communicated with the discharge port, and an energy generating element for discharging the ink droplet from the discharge port, the method for manufacturing an ink jet head comprising:

a process of <u>forming providing</u> a photodegradable <u>positive type resist resin</u> layer on a substrate having the energy generating element;

a process of forming a structure which becomes the ink flow path by exposing and developing the photodegradable positive type resist resin layer;

a process of coating the substrate having the structure which becomes the ink flow path with a negative type resist photosensitive resin layer;

a process of forming the ink discharge port in the negative type resist photosensitive resin layer; and

a process of forming the ink flow path communicated with the discharge port by removing the structure which becomes the ink flow path,

wherein the photodegradable positive type resist resin layer includes an a binary acrylic copolymer composition, the binary acrylic copolymer composition contains at least a unit

obtained from (meta) acrylic ester as a main component, the <u>binary</u> acrylic copolymer composition further contains a unit obtained from (meta) acrylic acid, the <u>binary</u> acrylic copolymer composition contains the (meta) acrylic acid unit at a proportion of 5 to 30 weight%, and a weight average molecular weight of the <u>binary</u> acrylic copolymer <u>composition</u> ranges from 50000 to 300000, and

wherein a developing solution is used in the process of forming the structure which becomes the ink flow path, the developing solution containing glycol ether having carbon numbers not lower than 6, the glycol ether being mixable with water at an arbitrary proportion, a nitrogen-containing basic organic solvent, and water.

2. (Currently Amended) A method for manufacturing an ink jet head according to claim 1, wherein the (meta) acrylic ester is expressed by General Formula (1) and the (meta) acrylic acid is expressed by General Formula (2)[[.]].

General Formula (1)

(where R1 is a hydrogen and or an alkyl group in which carbon numbers range from 1 to 3, R2 is the an alkyl group in which the carbon numbers range from 1 to 3, and m is a positive integer[[.]])

General Formula (2)

(where R3 is the <u>a</u> hydrogen and the <u>or an</u> alkyl group in which carbon numbers range from 1 to 3 and n is a positive integer[[.]]).

- 3. (Previously Presented) A method for manufacturing an ink jet head according to claim 1, wherein the (meta) acrylic ester includes methacrylate ester.
- 4. (Original) A method for manufacturing an ink jet head according to claim 1, wherein the (meta) acrylic acid is methacrylic acid.

- 5. (Original) A method for manufacturing an ink jet head according to claim 1, wherein the (meta) acrylic ester includes methacrylate ester, and the (meta) acrylic acid is methacrylic acid.
- 6. (Currently Amended) A method for manufacturing an ink jet head according to claim 1, wherein an alkaline solution is used as a the developing solution in the process of forming the structure which becomes the ink flow path.

7. (Cancelled)

- 8. (Currently Amended) A method for manufacturing an ink jet head according to claim [[7]]1, wherein the glycol ether is at least one of ethylene glycol monobutyl ether and diethylene glycol monobutyl ether.
- 9. (Currently Amended) A method for manufacturing an ink jet head according to claim [[7]]1, wherein the nitrogen-containing basic organic solvent is at least one of ethanolamine and morpholine.
- 10. (Currently Amended) A method for manufacturing an ink jet head according to claim 1, wherein a solvent used for a coating resin mainly containing methyl isobutyl ketone

and/or xylene is used in the process of coating with the negative type resist photosensitive resin layer.

- 11. (Currently Amended) A method for manufacturing an ink jet head according to claim 1, wherein the <u>binary</u> acrylic copolymer composition contains the (meta) acrylic acid unit at a proportion of 5 to 15 weight%
- 12. (Original) An ink jet head which is manufactured by the method for manufacturing an ink jet head according to claim 1.
- 13. (New) A method for manufacturing an ink jet head according to claim 1, wherein the (meta) acrylic acid unit is contained in the binary acrylic copolymer composition at no more than 20 weight%.
- 14. (New) A method for manufacturing an ink jet head according to claim 1, wherein the weight average molecular weight of the binary acrylic copolymer composition is greater than 50000 and not greater than 300000.
- 15. (New) A method for manufacturing an ink jet head according to claim 14, wherein the weight average molecular weight of the binary acrylic copolymer composition ranges from 170000 to 300000.